



Trailed disc harrows
"X" sections
Monobeam frame series
EDX2000M



ma/ag
MACCHINE AGRICOLE S.r.l.



Disc harrows series EDX2000M

For many years, under the working of the soil, the plough has been considered the best technique for obtaining the maximum soil fertility.
NOW THINGS SEEM TO BE CHANGED!



The agriculture and, by consequence, the agricultural mechanization processes have to grant as higher as they can the productions, by maintaining the only significantly variable controlled by the farmer:

THE PROCESSING COSTS!

In this new agricultural scenario, the techniques of the minimum tillage, obtained with disc harrows, in combination with a superficial breaking of the soil, find their space.

The **ma/ag's** answer is the new range of **TRAILED DISC HARROWS MONOBEAM FRAME "X" SECTIONS, SERIES EDX2000M.**



ma/ag
DIVISIONE SEMINATRICI

The disc harrow of the heavy series EDX2000M is intended for companies that want to engage high power tractors also in harsh working conditions in the presence of medium/large extensions.

Main characteristic of the disc harrow EDX2000M is the monobeam structure with adjustable and hydraulically longitudinal folding sections.

The floor space is 2,55 m for a total length from



the towing of 8/9 m, according to the models. The working width changes from 3,80 m (version with 32 discs) to 5,40 m (version with 44 discs).

The monobeam frame has been obtained by a central frame made in strong steel that is, in the meantime, very flexible, object of numbers of studies and tests, to which the 4 working disc sections are linked by pivots and bearings.

The sections have a series of hydraulic handling for the regulation of the closing and opening of the same. Main characteristic, compared to the competitors, is the independent regulation of the front sections from the rear ones. This permits at the operator to set at the best the equipment according to the speed and to the characteristics of the soil.



EDX2000M and AGRICOLTURA BLU

“L’Agricoltura BLU” provides the adoption of sustainable farming practices aimed at preserving the agro-ecosystem degradation caused by the gradual evolution of climate change and anthropogenic pressure. The main effects of “L’Agricoltura BLU” can be represented by valid and appropriate solutions to increase crop production, more efficient use of natural resources, energy and labor. The management system of the “L’Agricoltura BLU” alters as little as possible the soil composition (organic matter, fertility), the structure and natural biodiversity, so to avoid degradation, erosion and compaction. “L’Agricoltura BLU” opposed to the techniques used in conventional agriculture, such as the working of the ground used to control weeds and preparation of the seedbed, which impairs the physical-chemical and microbiological conditions of the soil.

THE TARGETS THAT NOW WE CAN OBTAIN WITH A SOIL CONSERVATION MANAGEMENT

- **Lower CO2 emissions in the atmosphere**
- **High productivity of the work** for obtaining high speed of intervention, exceed the constraints of climate trends, make tight seeding turns.
- **Containment of energy costs** by reducing processing working steps.
- **Best water development**, encouraging both the dripping water and its ascent by capillary pitch.
- **Increase of the activity of the cluster root activity**, trying to differentiate the functions of support from those absorbing water and nutrients.
- **Breeding and feeding of the soil fertility**, encouraging the concentration of the organic matter on the surface layer where they are most favorable the humidification processes..

TRAILED DISC HARROWS "X" SECTIONS series **MONOBEAM FRAME EDX2000M**

STANDARD EQUIPMENT

FRAME

Tubular steel mm 350x350x12

SECTIONS

Tubular steel mm 150X100X8

SUPPORTS

Two conical roller bearings, swivelling, externally protected with the interchangeable crankcase system ma/ag

CARRIAGE CONTROL

Double effect jack with hydraulic spider for working depth regulation

DISC AXLE

Steel square mm 40x40

SOIL SCRAPER

Individual adjustable plungers

SECTIONS CONTROL

Fully hydraulic with independent front and rear sections

WHEELS AXLE

steel square 60x60 mm 6 holes hub

steel square 80x80 mm 8 holes hub with parking brake for approved disc harrows

WHEELS

Type 400/60-15.5 stud hub 6/8 holes

BALANCE EQUIPMENT

Hydraulic

DISCS

Diameter 610 mm thickness 5-6 mm

Diameter 660 mm thickness 6 mm

Diameter 710 mm thickness 7 mm

DISC DISTANCE

230 mm - 270 mm

PICK UP DISCS

On series, with soil scrapers



SWIVELLING SUPPORT system MA/AG

On the series EDX2000M we use swivelling supports with 2 conical roller bearings (to absorb, in addition to the vertical load also the horizontal actions) with inferior interchangeable protection carter.

The ma/ag's supports are the fruit of a targeted and specific internal design, validated from over 35 years of experience and continuous improvements for granting an extremely reliable product in all conditions of use.

ACCESSORIES	DESCRIPTION
ACEDX2000M1	Towing hinged eye
ACEDX2000M2	Central balancing disc
ACEDX2000M3	Front steel hoop guards kit
ACEDX2000M4	Homologation for the transport on road
ACEDX2000M5	Hydraulic kit device complete with pipes
ACEDX2000M6	Hooking up discs diameter 610 mm thickness 6 mm

TECHNICAL DATA

VERSION WITH SPACE DISTANCE 230 mm

MODEL	DISCS N.	WORK. W. (m)	TRANSP. W. (m)	SUPPORTS N.	HP / KW	WEIGHT (KG)	SPACE DISTANCE (mm)	Ø DISC (mm)
EDX2000M 32 12	32	3,85	2,50	8	130 / 97	3810	230	610 / 5
EDX2000M 32 13	32	3,85	2,50	8	130 / 97	3960	230	660 / 6
EDX2000M 36 12	36	4,30	2,50	12	140 / 104	4190	230	610 / 5
EDX2000M 36 13	36	4,30	2,50	12	140 / 104	4350	230	660 / 6
EDX2000M 40 12	40	4,75	2,50	12	160 / 119	4400	230	610 / 5
EDX2000M 40 13	40	4,75	2,50	12	160 / 119	4585	230	660 / 6
EDX2000M 44 12	44	5,20	2,50	12	180 / 134	4650	230	610 / 5
EDX2000M 44 13	44	5,20	2,50	12	180 / 134	4850	230	660 / 6

VERSION WITH SPACE DISTANCE 270 mm

EDX2000M 28 23	28	3,80	2,50	8	140 / 104	3960	270	660 / 6
EDX2000M 28 24	28	3,80	2,50	8	150 / 112	4210	270	710 / 7
EDX2000M 32 23	32	4,35	2,50	12	150 / 112	4350	270	660 / 6
EDX2000M 32 24	32	4,35	2,50	12	160 / 119	4640	270	710 / 7
EDX2000M 36 23	36	4,90	2,50	12	170 / 127	4585	270	660 / 6
EDX2000M 36 24	36	4,90	2,50	12	180 / 134	4910	270	710 / 7
EDX2000M 40 23	40	5,40	2,50	12	190 / 142	4850	270	660 / 6
EDX2000M 40 23	40	5,40	2,50	12	200 / 149	5210	270	710 / 7

HYDRAULIC BALANCE EQUIPMENT

This device, acting on a special lever, permits to set the working angle of the equipment from the horizontal plane.

It is therefore possible to transfer more load on the front discs (to make it more aggressive) or on the rear discs (for breaking more the clods).

An essential feature for an easy adjustment and a quality result.



INDIPENDENT ANGLE SECTIONS

The sections are provided on series with hydraulic movement for the regulation and the closing of the same. Main characteristic, compared to the competitors, is the independent regulation of the front sections from the rear ones. This permits at the operator to set at the best the equipment according to the speed and to the characteristics of the soil.



HYDRAULIC TRAILER FOR THE TRANSPORT ON ROAD

The central trailer, hydraulically adjustable, permits the proper load balancing and the use of the same in working conditions.

The hydraulic system of the trailer is equipped with a valve with a slider that permit to adjust the working depth. This characteristic is particularly appreciated on sandy/silty soils where wheels of big dimensions can support the equipment during the work.

The wheels are always facing the back of the machine, so they are not invested from the ground raised by the front sections allowing an above-average speed and a best work.





HYDRAULIC FOLDING FOR THE TRANSPORT ON ROAD

For granting a best safety and a better road traffic, the disc harrows of the family EDX2000M are equipped on series with the hydraulic folding of the disc sections and of the different rear kits. The sections close on longitudinal sense on the direction of travel of the disc harrow. The rear kits are positioned above the equipment for the transport. This last operation is ensured on series by a double hydraulic jacks: closing of the two lateral sides and folding over the equipment.

Both operations ensure a maximum space floor of 2.55 m, according to the various standards rules for the road.

EDX2000M 44 13 PK





Rear hydraulic packer roller kit
(Pipe diameter 410 mm)



Combined breaking hydraulic kit



Rear hydraulic cage roller kit
(Diameter 500 mm with pipes or plates)

ACCESSORIES AT DEMAND

To complete the equipment, there are different kits available, to be put on the back for doing more processing in only one pass: from the simple cage rollers with pipes or plates, coils rollers, packer rollers or with kit in combination with wavy or star discs.

All this permits to personalize the disc harrow for the specific soil in which it operates and for the desired job.



Lateral steel hoop guards kit



MADE IN ITALY - CEE



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